Amendments to the Specification:

Please replace the paragraph beginning at page 9, line 14, with the following amended paragraph:

The ultrasound transducer array **30** may comprise a piezoelectric layer **32** interconnected (e.g. bonded) to support member **40.** In one arrangement, the piezoelectric layer **32** may comprise a ceramic-based material such as PZT (i.e. lead zirconate titanate). Optionally, an electrically conductive signal layer **46** may be interconnected (e.g. bonded) to a forward-facing side of support member **40.** In one arrangement, conductive signal layer **46** may be defined by gold-plating. Further, an electrically conductive signal layer **34** may be optionally disposed (e.g. sputter deposited) on a rearward-facing side of piezoelectric layer **32** and interconnected (e.g. bonded) to a forward facing side of support member **40** or conductive signal layer ~~42~~46 if provided.

Please replace the paragraph beginning at page 10, line 16, with the following amended paragraph:

As shown, electrically conductive ground layer **36** and piezoelectric layer **32**, as well as the optional layers **38**, **34** and ~~42~~46 if provided, may each comprise an aligned, common plurality of separated portions that define a one-dimensional array or row, of transducer elements of ultrasound transducer array **30**. Correspondingly, a shallow-depth of the forward-facing side of support member **40**, may comprise a corresponding, aligned plurality of same-sized, separated portions. The various separated portions noted above may be separately or contemporaneously defined. For example, in one approach, the ultrasound transducer array **30**, forward-facing side of support member **40,** and various electrically conductive layers interconnected thereto may be cut, or diced, contemporaneously. In turn, an electrically non-conductive material **60** (e.g. a room-temperature-vulcanizing (RTV) rubber) may be provided (e.g. via vacuum impregnation) into the cut-out regions to electrically isolate and physically adjoin the separated portions.